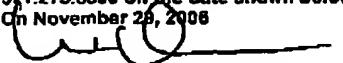


**PANA0001-100 (formerly PANA-0002)****PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****In re application of: Leonid A. Yakubov****RECEIVED  
CENTRAL FAX CENTER****Serial No.: 09/753,892****Group Art Unit: 1633****NOV 29 2006****Filed: January 3, 2001****Examiner: Scott David Priebe****Title: COMPOSITIONS COMPRISING GENOME SEGMENTS AND  
METHODS OF USING THE SAME**

*OK  
to enter  
SDP.  
12/11/06*

**Certificate of Facsimile Transmission**  
I hereby certify that this paper is being  
facsimile transmitted to the Patent and  
Trademark Office to facsimile number  
571.273.8300 on the date shown below.  
On November 29, 2006

  
Mark DeLuca, Regis. No. 33,229

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

**Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**Dear Sir:**

This amendment is being filed in response to the Final Office Action dated October 17, 2006, which was issued by the U.S. Patent and Trademark Office in place of the Official Action mailed July 7, 2006, which contained an error. Please amend the above-referenced application as follows and consider the following remarks:

**Amendments to the Claims** are reflected in the listing of the claims which begins on page 2 of this paper.

**Remarks begin on page 4 of this paper.**